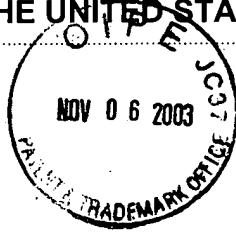


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Liu, et al.



Serial No. 09/601,582

Filed: December 4, 2000

For: NOVEL GABAB RECEPTOR DNA SEQUENCES

Art Unit: 1646

Examiner: Kaufman

Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT
 UNDER 37 CFR 1.97**

Sir:

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).
2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.
3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.
4. Pursuant to the waiver by the Office of the requirement under 37 CFR 1.98 (a)(2)(i) dated July 11, 2003, if the filing date of this application is after June 30, 2003, copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK & CO., INC.

By Nancy J. Foyke Date Nov. 3, 2003



INFORMATION DISCLOSURE STATEMENT

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

If this is inconvenient, additional copies will be submitted upon request.

6. In accordance with 37 C.F.R. 1.97, (check one)

the attached information is filed within three months of the filing date of the captioned case.

the attached information is filed more than three months after the filing date but prior to the mailing of a first Office Action on the merits.

the attached information is being filed more than three months after the filing date and after the mailing of a first Office Action on the merits, but before the mailing date of a Final Action or Notice of Allowance. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).

the undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

Henry Ford

By: Vineet Kothari

Attorney _____ For Applicant(s)

Req. No. 37,003

MERCK & CO., INC.

Patent Dept., R

P.O. Box 2000

Rahway, N.J. 07065

(732)594-3889

Date: November

1. *What is the name of the author of the book?*

FEE TRANSMITTAL

NOV 06 2003

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT **\$180**

10/6/03
Complete if Known

Application Number	09/601,582
Filing Date	December 4, 2000
First Named Inventor	Liu, et al.
Examiner Name	Kaufman
Group Art Unit	1646
Attorney Docket Number	20052YP

METHOD OF PAYMENT

Deposit Account

Deposit Account Number **13-2755**

Deposit Account Name **Merck & Co., Inc.**

The Director is authorized to:

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Fee Code	Large Entity Fee (\$)	Fee Description	Fee Paid
1051	130	Surcharge - late filing fee or oath	
1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1251	110	Extension for reply within first month	
1252	420	Extension for reply within second month	
1253	950	Extension for reply within third month	
1254	1,480	Extension for reply within fourth month	
1255	2,010	Extension for reply within fifth month	
1401	330	Notice of Appeal	
1402	330	Filing a brief in support of an appeal	
1403	290	Request for oral hearing	
1452	110	Petition to revive - unavoidable	
1453	1,330	Petition to revive - unintentional	
1501	1,330	Utility issue fee (or reissue)	
1502	480	Design issue fee	
1460	130	Petitions to the Commissioner	
1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	Submission of Information Disclosure Statement	180
8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	Request for Continued Examination (RCE)	
Other fee (specify) _____			
Other fee (specify) _____			
SUBTOTAL(3)			\$180

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	Utility filing fee	
1002	340	Design filing fee	
1004	770	Reissue filing fee	
1005	160	Provisional filing fee	
SUBTOTAL(1)			\$0

2. EXTRA CLAIM FEES

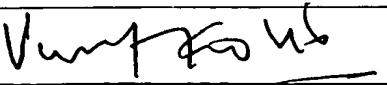
	Extra	Fee from below	Fee Paid
Total Claims		20 ** = 0	x \$18 = 0
Independent Claims		3 ** = 0	x \$86 = 0
Multiple Dependent Claims			\$290 =

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Fee (\$)	Fee Description
1202	18	Claims in excess of 20
1201	86	Independent claims in excess of 3
1203	290	Multiple dependent claim, if not paid
1204	86	**Reissue independent claims over original patent
1205	18	**Reissue claims in excess of 20 and over original patent
SUBTOTAL(2)		
\$0		

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name	Vineet Kohli	Reg. Number	37,003
Signature		Date	11/04/2003

Application Number: 09/601,582
Filing Date: 12/04/2000
First Named Inventor: Liu, et al.
Group Art Unit: 1646
Examiner Name: Kaufman
Attorney Docket Number: 20052YP

FIRST CLASS MAIL CERTIFICATE

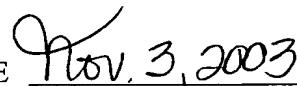
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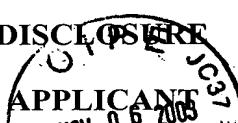
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INFORMATION DISCLOSED STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/601,582	
		Filing Date	December 4, 2000	
		First Named Inventor	Liu, et al.	
		Group Art Unit	1646	
		Examiner Name	Kaufman	
Sheet	1	of	6	
			Attorney Docket Number	20052YP

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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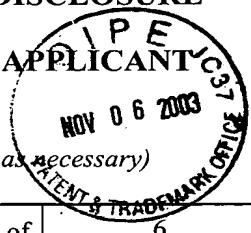
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Sheet

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6

COMPLETE IF KNOWN	
Application Number	09/601,582
Filing Date	December 4, 2000
First Named Inventor	Liu, et al.
Group Art Unit	1646
Examiner Name	Kaufman
Attorney Docket Number	20052YP

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
/		Altschul, et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Research", Vol. 25, No. 17, 1997.
/		Amatruda, et al., "Specific Interactions of Chemoattractant Factor Receptors with G-proteins*", The Journal of Biological Chemistry", Vol. 268, No. 14, pp. 10139-10144, May 15, 1993.
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Examiner Signature		Date Considered
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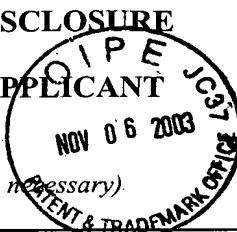
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
/		Gonzalez & Tsien, "Voltage Sensing by Fluorescence Resonance Energy Transfer in Single Cells", Biophysical Journal, Vol. 69, pp. 1272-1280, 1995.
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/		Maidment, et al., "Microdialysis of Extracellular Endogenous Opioid Peptides From Rat Brain In Vivo", Neuroscience, Vol. 33, No. 3, pp. 549-557, 1989.

Examiner Signature		Date Considered
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Group Art Unit	1646
Examiner Name	Kaufman
Attorney Docket Number	20052YP

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
/		McKee, et al., "Molecular Analysis of Rat Pituitary and Hypothalamic Growth Hormone Secretagogue Receptors", Molecular Endocrinology, Vol. 11, pp. 415-423, 1997.
/		McKernan & Whiting, "Which GABAA-receptor subtypes really occur in the brain?", Trends Neurosci., Vol. 16, pp. 139-143, 1996.
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/		Perkins, et al., "A Study of the Structure of Human Complement Component Factor H by Fourier Transform Infrared Spectroscopy and Secondary Structure Averaging Methods", Vol. 27, pp. 4004-4012, 1988.
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/		Romano, et al., "Metabotropic Glutamate Receptor 5 Is A Disulfide-linked Dimer", J. Biol. Chem., Vol. 271, No. 45, pp. 28612-28616, 1996.

Examiner Signature	Date Considered
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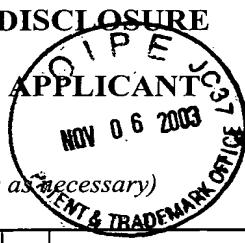
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Sheet

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
/		Rutter, et al., "Real-time imaging of gene expression in single living cells", Chemistry & Biology, Vol. 5, pp. R285-R290, 1998.
/		Sequier, et al., "Mapping of brain areas containing RNA homologous to cDNAs encoding the alpha and beta subunits of the rat GABAA gamma-aminobutyrate receptor", Proc. Natl. Acad. Sci. USA, Vol. 85, pp. 7815-7819, October 1988.
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/		GenBank Accession No. Y10369
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/		GenBank Accession No. AJ012188
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PATENT & TRADEMARK OFFICE

<i>COMPLETE IF KNOWN</i>	
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